

(19) World Intellectual Property  
Organization  
International Bureau

(43) International publication date  
24 December 2003 (24.12.2003)

PCT

(10) International publication number  
WO 03/106564 A1

(51) International patent classification<sup>7</sup>: C08L 83/04,  
C09D 183/04, C08K 7/16

(21) International application number:  
PCT/FR03/01833

(22) International filing date: 17 June 2003 (17.06.2003)

(25) Language of filing: French

(26) Language of publication: French

(30) Details relating to the priority:  
02/07489 18 June 2002 (18.06.2002) FR

(71) Applicant (for all the designated States except US):  
RHODIA CHIMIE [FR/FR]; 26, quai Alphonse Le  
Gallo, F-92100 Boulogne Billancourt (FR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): DUMONT,  
Laurent [FR/FR]; 344, résidence Sainte-Anne,  
F-73290 La Motte Servolex (FR). POUCHÉLON,  
Alain [FR/FR]; 2, rue G. Courteline, F-69330  
Meyzieu (FR). QUEMIN, Marilyne [FR/FR]; 8,  
rue Turbil, F-69003 Lyon (FR).

(74) Representatives: FLEURANCE, Raphaël etc.;  
Cabinet Plasseraud, 84, rue d'Amsterdam, F-75440  
Paris Cédex 09 (FR).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ,  
BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE,  
DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU,  
ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,  
LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ,  
OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN,  
TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS,  
MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM,  
AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE,  
BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT,  
LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF,  
CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

- with international search report
- before expiry of the deadline set for modification of the claims,  
will be republished if modifications are received

For the two-letter codes and other abbreviations, refer to "Explanatory  
notes relating to codes and abbreviations" appearing at the beginning  
of each ordinary number of the PCT Gazette.

(54) Title: SILICONE COMPOSITION USEFUL ESPECIALLY FOR THE PRODUCTION OF ANTI-FRICTION VARNISH,  
PROCESS FOR THE APPLICATION OF SAID VARNISH TO A SUBSTRATE, AND TREATED SUBSTRATE

(57) Abstract: The invention relates to silicone compositions useful especially for the production of varnishes applicable to substrates whose coefficient of friction it is sought to reduce. The object is to provide an anti-friction silicone varnish for textiles coated with silicone elastomers which is economic and adhesive, provides the desired slip, resists soiling and is shiny. This object is achieved by a crosslinkable silicone composition comprising on the one hand two silicones A and B which react with one another in the presence of a catalyst C to allow crosslinking, and on the other hand a particulate component D selected from the group comprising powdered (co)polyamides - preferably (co)polyamides 6, 12 and 6/12 - defined as follows: the particles are of substantially rounded shape and the mean particle diameter  $\Phi_{md}$  is between 0.1 and 200  $\mu\text{m}$ , preferably between 5 and 100  $\mu\text{m}$  and particularly preferably between 10 and 50  $\mu\text{m}$ . The invention further relates to a varnishing process and to a composite containing the varnished substrate.